Manitoba

Health
Health and Healthy Living
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of January 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of January 2008.

Communicable Diseases

In total, there were **393** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in January 2008. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases with the exception of the following diseases:

- MRSA – 188 cases reported, 0 – 186 cases expected
- Malaria – 2 cases reported, 0-1 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during December, January and February, 2002-2008.

Malaria is a travel related disease and is not endemic in temperate zone countries such as Canada. MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 68% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **744** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January:

- 592 cases of chlamydia (Ct)
- 84 cases of gonorrhoea (GC)
- 63 co-infections of Ct and GC and
- 5 cases of syphilis

Forty-three percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 49% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 24% were from the Burntwood Health Region.

In January, 24 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Six Manitobans tested positive for HIV in January. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. The cases reported in January were 4 males and 2 females, between 30 and 49 years of age.

***Note**: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

****Note**: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are <u>not referred out</u> for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health <u>for information only</u>:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Entero
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

All other diseases are referred out for further public health <u>follow-up and investigation</u>

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,

Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases
Public Health Surveillance System
Manitoba Health and Healthy Living

SUMMARY OF COMMUNICABLE DISEASE FOR January 2008

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	4	1	3	1-5	4	1
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	2			***	2	
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS	1		1	0-8	1	
008.43	CAMPYLOBACTER	17	13	12	3-21	17	13
558.2	CLOSTRIDIUM DIFFICILE	131	80		***	131	80
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	6	2	1	0-4	6	2
061.0	DENGUE FEVER		1	0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1		0	0-1	1	
008.0	E. COLI-VEROTOXIGENIC	1	3	3	0-10	1	3
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	12	8	9	2-16	12	8
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)		2		***		2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	3	1	1	0-3	3	1
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	24	24	32	15-49	24	24
487.1A	INFLUENZA A	17	13		***	17	13
487.1B	INFLUENZA B	1	5		***	1	5
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		1
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	0	0-1		2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD		1	0	0-1		1
B95.6	MRSA	177	188	88	0-186	177	188
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1		1
728.86	NECROTIZING FASCIITIS			1	0-3		
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2	1	4	0-12	2	1
038.2	PNEUM. SEPTICEMIA	6	12	7	1-13	6	12
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-1		
003.0	SALMONELLA	28	22	14	1-27	28	22
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	2	1	0-4	1	2
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	2		0	0-1	2	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-2		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3	2	2	0-5	3	2
011	TUBERCULOSIS - RESP.	5	3	7	2-12	5	3
010	TUBERCULOSIS-PRIM.			0	0-1		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	5		***	4	5
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	1	
		450	**393**			**450**	**393**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR January 2008

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS						1																						1
008.43	CAMPYLOBACTER		1	1	1		1						1	1	2		1	2		1	1								13
558.2	CLOSTRIDIUM DIFFICILE	1	1							3	1				1	2	1	6	3	6	4	8	4	11	3	15	10		80
007.8	CRYPTOSPORIDIOSIS				1					1																			2
061.0	DENGUE FEVER																				1								1
008.0	E. COLI 0157	1												1				1											3
007.1	GIARDIA LAMBLIA			1	2		2			1				1					1										8
041.59	HAEM. INFLUENZAE (non-B)																					1				1			2
070.1	HEPATITIS A																									1			1
070.51	HEPATITIS C											1		1	1	2	2	2	6	2	6					1			24
487.1A	INFLUENZA A				1	2					1	4		2	1	1					1								13
487.1B	INFLUENZA B				1	2		1								1													5
027.0	LISTERIA MONOCYTOGENES																					1							1
084	MALARIA												1	1															2
036.2	MENINGOCOCCEMIA(MGCCEMI A													1															1
B95.6	MRSA	3	3	8	13	4	1	11	2	4	1	4	10	6	3	7	10	4	9	13	12	4	11	9	7	14	15		188
036.89	NEISSERIA MGTS(0ther)										1																		1
033.0	PERTUSSIS	1																											1
003.0	SALMONELLA			1			3		1					1	2	1	1	1	1	3	1	1	2	1	1		1		22
004	SHIGELLOSIS																			1		1							2
038.2	STREP.PNEUMOCOCCAL SEPTIC							1				2			2		1		1	2				1	1	1			12
013	TUBERCULOSIS - NON-RESP.															1			1										2
011	TUBERCULOSIS - RESP.												1				1								1				3
B96.8	VANCOMYCIN RES. ENTER.													1										1	1	1	1		5
		6	5	11	19	8	8	13	3	9	4	11	13	16	12	15	17	16	22	28	26	16	17	23	14	34	27		393

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR January 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS								1														1
008.43	CAMPYLOBACTER	4	2		1		2		1		1		1				1						13
558.2	CLOSTRIDIUM DIFFICILE	52	3		2		1		8		8		4		1				1				80
007.8	CRYPTOSPORIDIOSIS						1						1										2
061.0	DENGUE FEVER	1																					1
008.0	E. COLI 0157	1					1				1												3
007.1	GIARDIA LAMBLIA	3	2	1	1						1												8
041.59	HAEM. INFLUENZAE (non-B)	2																					2
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	17	2					1	2		1				1								24
487.1A	INFLUENZA A	9					1						1						2				13
487.1B	INFLUENZA B						1				4												5
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	2																					2
036.2	MENINGOCOCCEMIA(MGCCE MIA	1																					1
B95.6	MRSA	79		1	1		1	1	4		6		2		2	2	6	76	7				188
036.89	NEISSERIA MGTS(0ther)												1										1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	11	1				1		2		2		1		2			2					22
004	SHIGELLOSIS		1										1										2
038.2	STREP.PNEUMOCOCCAL SE PTIC	4	1														2	3	2				12
013	TUBERCULOSIS - NON-RESP.	2																					2
011	TUBERCULOSIS - RESP.	2								1													3
B96.8	VANCOMYCIN RES. ENTER.	2											2		1								5
		195	**12**	**2**	**5**		**9**	**2**	**18**	**1**	**24**		**14**		**7**	**2**	**9**	**81**	**12**				**393**

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - January 2008

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2007**	**2008**	**2007**	**2008**
All Chlamydia Infections	423	655	423	655
All Gonorrhea Infections (including PRNG)	121	147	121	147
All Syphilis Infections	3	5	3	5
Gonorrhea & Chlamydia Co-infections	35	63	35	63
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	6	8	6

Total Number of STD Cases by Age and Gender - January 2008

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							8		159	46	109	69	60	45	40	25	13	12		5	1							592
Gonorrhea Only Cases							1		12	11	11	14	7	2	7	11	3	5										84
Syphilis Only Cases																3		2										5
GC and CT Cases							1		15	7	9	8	5	6	3	7	1	1										63
							10		186	64	129	91	72	53	50	46	17	20		5	1							744
HIV																1	2	3										6

Regional STD Distribution - January 2008

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	324	22	8	10	2	9	4	28	1	19		10	4	24	4	27	117	38		4		655
All Gonorrhea Infections	59		3	2		1	2	6		5		1	1	2	4	12	32	16		1		147
All Syphilis Infections	4									1												5
GC and CT Infections	23						1	3		1				1	2	3	18	10		1		63

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction